

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6013634		20000111
APPLICATION INFO.:	US 1998-53785		19980402 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-746393, filed on 8 Nov 1996, now patented, Pat. No. US 5846943		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lee, Howard C.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, LLP		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	14 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1056		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L4 ANSWER 5 OF 6 USPATFULL

ACCESSION NUMBER: 1998:154251 USPATFULL
 TITLE: Solid support matricles containing a toxin binding oligosaccharide
 INVENTOR(S): Hindsgaul, Ole, Edmonton, Canada
 Nilsson, Ulf J., Edmonton, Canada
 PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5846943		19981208
APPLICATION INFO.:	US 1996-746393		19961108 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fonda, Kathleen K.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, L.L.P.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	14 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1021		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L4 ANSWER 6 OF 6 USPATFULL

ACCESSION NUMBER: 87:18626 USPATFULL
 TITLE: Synergistic cytotoxic composition
 INVENTOR(S): Aggarwal, Bharat B., San Mateo, CA, United States
 Lee, Sang He, El Granada, CA, United States
 PATENT ASSIGNEE(S): Genentech, Inc., So. San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4650674		19870317
APPLICATION INFO.:	US 1984-677257		19841203 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1984-628060, filed on 5 Jul 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hazel, Blondel		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1,5		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	1753		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:352121 CAPLUS
 DOCUMENT NUMBER: 129:72270
 TITLE: Materials for removing or detoxifying superantigens,
 their uses, and **removal** of superantigens
 using them
 INVENTOR(S): Fukuyama, Mayumi; Miwa, Takashi; Sakai, Rumiko
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10147541	A2	19980602	JP 1996-308053	19961119

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:352117 CAPLUS
 DOCUMENT NUMBER: 129:72269
 TITLE: Materials for removing pyrogens or detoxification,
 their uses, and **removal** of pyrogens from
body fluids, etc.
 INVENTOR(S): Fukuyama, Mayumi; Miwa, Takashi; Sakai, Rumiko
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10147533	A2	19980602	JP 1996-308052	19961119

L5 ANSWER 3 OF 3 USPATFULL
 ACCESSION NUMBER: 1999:21711 USPATFULL
 TITLE: CXC chemokines as regulators of angiogenesis
 INVENTOR(S): Strieter, Robert M., Ann Arbor, MI, United States
 Polverini, Peter J., Ann Arbor, MI, United States
 Kunkel, Steven L., Ann Arbor, MI, United States
 PATENT ASSIGNEE(S): The Regent of the University of Michigan, Ann Arbor,
 MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5871723		19990216
APPLICATION INFO.:	US 1995-468819		19950606 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Draper, Garnette D.		
LEGAL REPRESENTATIVE:	Arnold, White & Durkee		
NUMBER OF CLAIMS:	29		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 71 Drawing Page(s)		
LINE COUNT:	6055		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:555562 CAPLUS
 DOCUMENT NUMBER: 129:180198
 TITLE: Method and column for treatment of liquids to remove
 or detoxify bacterial toxins
 INVENTOR(S): Shimizu, Shinji; Sanwa, Keishi; Fukuyama, Mayumi
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10225515	A2	19980825	JP 1997-32241	19970217

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:352121 CAPLUS
 DOCUMENT NUMBER: 129:72270
 TITLE: Materials for removing or detoxifying superantigens,
 their uses, and **removal** of superantigens
 using them
 INVENTOR(S): Fukuyama, Mayumi; Miwa, Takashi; Sakai, Rumiko
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10147541	A2	19980602	JP 1996-308053	19961119

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1998:352117 CAPLUS
 DOCUMENT NUMBER: 129:72269
 TITLE: Materials for removing pyrogens or detoxification,
 their uses, and **removal** of pyrogens from
body fluids, etc.
 INVENTOR(S): Fukuyama, Mayumi; Miwa, Takashi; Sakai, Rumiko
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10147533	A2	19980602	JP 1996-308052	19961119

L4 ANSWER 4 OF 6 USPATFULL
 ACCESSION NUMBER: 2000:4796 USPATFULL
 TITLE: Solid support matrices containing a toxin binding
 oligosaccharide
 INVENTOR(S): Hindsgaul, Ole, Edmonton, Canada
 Nilsson, Ulf J., Lund, Sweden
 PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S.
 corporation)

L5 ANSWER 1 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:868282 CAPLUS
 DOCUMENT NUMBER: 135:376850
 TITLE: Adsorbent for cardiac glycoside, and method and device
 for adsorbing and removing cardiac glycoside
 INVENTOR(S): Hiroyo, Junko; **Furuyoshi, Shigeo**; Takata,
 Satoshi; Tsuruoka, Shuichi; Fujimura, Akio
 PATENT ASSIGNEE(S): Kaneka Corporation, Japan
 SOURCE: PCT Int. Appl., 27 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001089602	A1	20011129	WO 2001-JP4307	20010523
W: JP, US				
RW: DE, FR, GB, IT				
PRIORITY APPLN. INFO.:			JP 2000-154956	A 20000525
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L5 ANSWER 2 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:416821 CAPLUS
 DOCUMENT NUMBER: 135:16336
 TITLE: Adsorbent for peptidoglycan, and method and apparatus
 for adsorptively removing peptidoglycan
 INVENTOR(S): Hirai, Fumiyasu; **Furuyoshi, Shigeo**
 PATENT ASSIGNEE(S): Kaneka Corporation, Japan
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2001039879	A1	20010607	WO 2000-JP8487	20001130
W: US				
RW: DE, FR, GB, IT				
JP 2001219062	A2	20010814	JP 2000-338945	20001107
PRIORITY APPLN. INFO.:			JP 1999-343164	A 19991202
			JP 2000-338945	A 20001107
REFERENCE COUNT:	29	THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L5 ANSWER 3 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:338405 CAPLUS
 DOCUMENT NUMBER: 134:328305
 TITLE: Filters for leakage prevention of packing materials in
 adsorbers
 INVENTOR(S): Ito, Shinji; Nanko, Toshiki; **Furuyoshi, Shigeo**
 PATENT ASSIGNEE(S): Kaneka Corporation, Japan
 SOURCE: PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001032286 A1 20010510 WO 2000-JP6754 20000929

W: US

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE

PRIORITY APPLN. INFO.:

REFERENCE COUNT:

3

JP 1999-312104 A 19991102

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:752838 CAPLUS

DOCUMENT NUMBER: 135:308941

TITLE: Adsorbents for antibodies, adsorption process, and
apparatus for treatment of dilated cardiomyopathy

INVENTOR(S): Ogino, Eiji; **Furuyoshi, Shigeo**; Hirai,

Fumiyasu; Nishimoto, Takehiro

PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001286554	A2	20011016	JP 2000-106915	20000407
WO 2001076662	A1	20011018	WO 2001-JP3026	20010409

W: CN, US

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE, TR

PRIORITY APPLN. INFO.:

JP 2000-106915 A 20000407

L5 ANSWER 5 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:586383 CAPLUS

DOCUMENT NUMBER: 135:157749

TITLE: Adsorbents and apparatus for removing transforming
growth factor .beta. (TGF-.beta.) from body fluid, and
method for the removal

INVENTOR(S): Hirai, Fumiyasu; Fujimoto, Tamiji; **Furuyoshi,
Shigeo**

PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001218840	A2	20010814	JP 2000-35168	20000214
US 2001021525	A1	20010913	US 2001-773598	20010202
EP 1142633	A1	20011010	EP 2001-102701	20010206

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.:

JP 2000-35168 A 20000214

L5 ANSWER 6 OF 63 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:551720 CAPLUS

DOCUMENT NUMBER: 135:127264

TITLE: Direct extracorporeal blood purification apparatus
packed with adsorbent particles

INVENTOR(S): Okuyama, Tsutomu; Nakaya, Masaru; Kobayashi, Akira;

PATENT ASSIGNEE(S): Ichimura, Masaki; **Furuyoshi, Shigeo**
 SOURCE: Kanegafuchi Chemical Industry Co., Ltd., Japan
 Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001204816	A2	20010731	JP 2000-15433	20000125

L5 ANSWER 7 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:554601 CAPLUS
 DOCUMENT NUMBER: 135:104714
 TITLE: Method for removing lipoproteins by adsorption
 INVENTOR(S): Kobayashi, Akira; Nakaya, Masaru; Okuyama, Tsutomu;
Furuyoshi, Shigeo; Tani, Nobutaka
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001204500	A2	20010731	JP 2000-19249	20000127

L5 ANSWER 8 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:288855 CAPLUS
 DOCUMENT NUMBER: 134:316173
 TITLE: Modification of cellulose to decrease the
 granulocyte-activating activity, the modified
 cellulose, and blood purification apparatus using them
 INVENTOR(S): Nakaya, Masaru; Kobayashi, Akira; **Furuyoshi, Shigeo**
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001114802	A2	20010424	JP 1999-299435	19991021

L5 ANSWER 9 OF 63 USPATFULL
 ACCESSION NUMBER: 2001:155594 USPATFULL
 TITLE: Adsorbent for transforming growth factor-beta, method
 for removing the transforming growth factor-beta by
 adsorption and adsorber packed with the adsorbent
 INVENTOR(S): Hirai, Fumiyasu, Ibaraki-shi, Japan
 Fujimoto, Tamiji, Settsu-shi, Japan
Furuyoshi, Shigeo, Kobe-shi, Japan
 PATENT ASSIGNEE(S): KANEKA CORPORATION, Osaka-shi, Japan (non-U.S.
 corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2001021525 A1 20010913
APPLICATION INFO.: US 2001-773598 A1 20010202 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2000-35168	20000214
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ARMSTRONG, WESTERMAN, HATTORI,, MCLELAND & NAUGHTON, LLP, 1725 K STREET, NW, SUITE 1000, WASHINGTON, DC, 20006	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	600	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 10 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:732763 CAPLUS
DOCUMENT NUMBER: 133:325696
TITLE: Adsorbent for tumor necrosis factor-.alpha. and method for removal of tumor necrosis factor-.alpha.
INVENTOR(S): Hirai, Fumiyasu; **Furuyoshi, Shigeo**; Tani, Nobutaka
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000288388	A2	20001017	JP 1999-93580	19990331

L5 ANSWER 11 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:693492 CAPLUS
TITLE: The method of decreasing the biological activity of the ended toxin. [Machine Translation].
INVENTOR(S): Fujimoto, Tamiji; Hirai, Fumiyasu; Nakaya, Masaru; **Furuyoshi, Shigeo**; Tani, Nobutaka
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000271214	A2	20001003	JP 1999-77711	19990323

L5 ANSWER 12 OF 63 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE
1
ACCESSION NUMBER: 1999:415400 BIOSIS
DOCUMENT NUMBER: PREV199900415400
TITLE: Absorbent for removing interleukins and tumor necrosis factor, and process for removing the same.
AUTHOR(S): Nakatani, Masaru (1); **Furuyoshi, Shigeo**; Takata, Satoshi
CORPORATE SOURCE: (1) First Division, Department of Internal Medicine, Kobe

University School of Medicine, Kobe Japan
 ASSIGNEE: Kanegafuchi Kagaku Kogyo Kabushiki Kaisha
 PATENT INFORMATION: US 5919898 Jul. 06, 1999
 SOURCE: Official Gazette of the United States Patent and Trademark
 Office Patents, (Jul. 6, 1999) Vol. 1224, No. 1, pp. NO
 PAGINATION.
 ISSN: 0098-1133.
 DOCUMENT TYPE: Patent
 LANGUAGE: English

L5 ANSWER 13 OF 63 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2
 ACCESSION NUMBER: 1997:754033 CAPLUS
 DOCUMENT NUMBER: 128:53275
 TITLE: Removal of anti-cardiolipin-.beta.2-glycoprotein I
 complex antibodies from body fluid with anionic
 adsorbents
 INVENTOR(S): Hiroyo, Junko; Furuyoshi, Shigeo; Takada,
 Satoru
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09299478	A2	19971125	JP 1996-146600	19960515

L5 ANSWER 14 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:533561 CAPLUS
 DOCUMENT NUMBER: 127:181212
 TITLE: Adsorbent for elimination of disease-related factors
 in body fluids and apparatus for purifying body fluids
 INVENTOR(S): Nanko, Toshiki; Furuyoshi, Shigeo; Takata,
 Satoshi; Nakatani, Masaru
 PATENT ASSIGNEE(S): Kaneka Corp., Japan; Nanko, Toshiki; Furuyoshi,
 Shigeo; Takata, Satoshi; Nakatani, Masaru
 SOURCE: PCT Int. Appl., 57 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9727889	A1	19970807	WO 1997-JP254	19970130
W: CA, US				
RW: DE, FR, GB, IT				
CA 2216718	AA	19970807	CA 1997-2216718	19970130
JP 09266948	A2	19971014	JP 1997-16983	19970130
JP 09313604	A2	19971209	JP 1997-16984	19970130
EP 819439	A1	19980121	EP 1997-901817	19970130
R: DE, FR, GB, IT				
PRIORITY APPLN. INFO.:			JP 1996-15502	19960131
			JP 1996-74721	19960328
			WO 1997-JP254	19970130

L5 ANSWER 15 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:671643 CAPLUS
 DOCUMENT NUMBER: 127:292076
 TITLE: Adsorbent and method for removing chemokines

INVENTOR(S): Nakatani, Masaru; Takata, Satoshi; **Furuyoshi, Shigeo**
 PATENT ASSIGNEE(S): Kaneka Corporation, Japan
 SOURCE: Eur. Pat. Appl., 12 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 796865	A2	19970924	EP 1997-104537	19970317
EP 796865	A3	19981202		
R: DE, FR, GB, IT				
JP 09253200	A2	19970930	JP 1996-61158	19960318
JP 09253201	A2	19970930	JP 1996-72916	19960327
CA 2200119	AA	19970918	CA 1997-2200119	19970317
PRIORITY APPLN. INFO.:			JP 1996-61158	19960318
			JP 1996-72916	19960327

L5 ANSWER 16 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1997-313604 JAPIO
 TITLE: ADSORPTIVE MATERIAL, ADSORPTIVE REMOVAL METHOD AND ADSORBER OF CHEMOKINES
 INVENTOR: NAKATANI MASARU; **FURUYOSHI SHIGEO**; TAKADA SATORU
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 09313604	A	19971209	Heisei	(6) A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1997-16984 19970130
 ORIGINAL: JP09016984 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 97, No. 12

L5 ANSWER 17 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1997-266948 JAPIO
 TITLE: BLOOD PURIFYING DEVICE AND BLOOD PURIFYING EQUIPMENT
 INVENTOR: NANKO AKITAKE; **FURUYOSHI SHIGEO**; TAKADA SATORU
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 09266948	A	19971014	Heisei	(6) A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1997-16983 19970130
 ORIGINAL: JP09016983 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 97, No. 10

L5 ANSWER 18 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1997-253201 JAPIO
 TITLE: ADSORBENT, ADSORPTION REMOVAL METHOD AND ADSORBER OF CHEMOKINES

INVENTOR: NAKATANI MASARU; **FURUYOSHI SHIGEO**; TAKADA
SATORU
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 09253201	A	19970930	Heisei	(6) A61M001-36

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1996-72916 19960327
ORIGINAL: JP08072916 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 97, No. 9

L5 ANSWER 19 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1997-253200 JAPIO
TITLE: ADSORBENT, ADSORPTIVE REMOVING METHOD AND ADSORBER FOR
CHEMOKINES
INVENTOR: NAKATANI MASARU; **FURUYOSHI SHIGEO**; TAKADA
SATORU
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 09253200	A	19970930	Heisei	(6) A61M001-36

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1996-61158 19960318
ORIGINAL: JP08061158 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 97, No. 9

L5 ANSWER 20 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:546276 CAPLUS
DOCUMENT NUMBER: 125:193453
TITLE: Adsorbent for removing interleukins and tumor necrosis
factor (TNF) and process for removing the same
INVENTOR(S): Nakatani, Masaru; **Furuyoshi, Shigeo**; Takata,
Satoshi
PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Japan
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 723794	A1	19960731	EP 1996-101098	19960126
R: DE, FR, GB, IT				
JP 08257115	A2	19961008	JP 1995-61182	19950320
JP 08257398	A2	19961008	JP 1995-66565	19950324
CA 2167872	AA	19960728	CA 1996-2167872	19960123
US 5919898	A	19990706	US 1996-590599	19960124
PRIORITY APPLN. INFO.:			JP 1995-12082	19950127
			JP 1995-61182	19950320
			JP 1995-66565	19950324

L5 ANSWER 21 OF 63 JAPIO COPYRIGHT 2002 JPO

ACCESSION NUMBER: 1996-257398 JAPIO
TITLE: ADSORBENT OF INTERLEUKINS AND ADSORBING/REMOVING
METHOD
INVENTOR: NAKATANI MASARU; **FURUYOSHI SHIGEO**; TAKADA
SATORU
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 08257398	A	19961008	Heisei	(6) B01J020-26

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1995-66565 19950324
ORIGINAL: JP07066565 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 96, No. 10

L5 ANSWER 22 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1996-257115 JAPIO
TITLE: ADSORBENT OF TUMOR NECROSIS FACTOR AND ADSORPTION
REMOVAL METHOD
INVENTOR: NAKATANI MASARU; **FURUYOSHI SHIGEO**; TAKADA
SATORU
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 08257115	A	19961008	Heisei	(6) A61M001-36

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1995-61182 19950320
ORIGINAL: JP07061182 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 96, No. 10

L5 ANSWER 23 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1996-052303 JAPIO
TITLE: IMPROVEMENT OF PRESERVING STABILITY OF ADSORPTION
COLUMN FOR IN-VITRO CIRCULATION TREATMENT
INVENTOR: TANI NOBUTAKA; OKUYAMA TSUTOMU; **FURUYOSHI
SHIGEO**
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 08052303	A	19960227	Heisei	(6) B01D015-00

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1995-123298 19950523
ORIGINAL: JP07123298 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 96, No. 2

L5 ANSWER 24 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:795165 CAPLUS
DOCUMENT NUMBER: 123:193074
TITLE: Substance for detecting amyloid deposition
INVENTOR(S): Gejyo, Fumitake; Nakatani, Masaru; **Furuyoshi,**

Shigeo; Takata, Satoshi
 PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo K K, Japan
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9515184	A1	19950608	WO 1994-JP2003	19941129
W: CA, CN, US				
RW: BE, DE, ES, FR, GB, IT				
CA 2154869	AA	19950608	CA 1994-2154869	19941129
EP 681844	A1	19951115	EP 1995-901609	19941129
R: BE, DE, ES, FR, GB, IT				
CN 1119415	A	19960327	CN 1994-191529	19941129
PRIORITY APPLN. INFO.:			JP 1993-300319	19931130
			WO 1994-JP2003	19941129

L5 ANSWER 25 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1995-149668 JAPIO
 TITLE: SUBSTANCE FOR DETECTING AMYLOID DEPOSIT
 INVENTOR: SHIMOJIYOU FUMITAKE; NAKATANI MASARU; **FURUYOSHI SHIGEO; TAKADA SATORU**
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 07149668	A	19950613	Heisei	(6) A61K051-00

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1993-300319 19931130
 ORIGINAL: JP05300319 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 95, No. 6

L5 ANSWER 26 OF 63 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 3
 ACCESSION NUMBER: 1994:227025 CAPLUS
 DOCUMENT NUMBER: 120:227025
 TITLE: Buffers for pretreatment of body fluid purification agents
 INVENTOR(S): Suzuki, Kazuo; **Furuyoshi, Shigeo; Takada, Satoru**
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Ind, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06007434	A2	19940118	JP 1992-189841	19920623
JP 3233691	B2	20011126		

L5 ANSWER 27 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1993-317414 JAPIO
 TITLE: HUMOR TREATING CIRCUIT WITH BYPASS PASSAGE
 INVENTOR: **FURUYOSHI SHIGEO; TAKADA SATORU**

PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 05317414	A	19931203	Heisei	(5) A61M001-14

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1992-174669 19920522
ORIGINAL: JP04174669 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 1176, Vol. 18, No. 134, P. 7
(19940304)

L5 ANSWER 28 OF 63 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 4
ACCESSION NUMBER: 1990:574354 CAPLUS
DOCUMENT NUMBER: 113:174354
TITLE: Manufacture of long chain alkyl-containing cellulose
acetate ethers
INVENTOR(S): Iritani, Hiroshi; **Furuyoshi, Shigeo**; Takada,
Satoru; Tani, Nobutaka
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02129201	A2	19900517	JP 1988-281709	19881108

L5 ANSWER 29 OF 63 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 5
ACCESSION NUMBER: 1990:412105 CAPLUS
DOCUMENT NUMBER: 113:12105
TITLE: Adsorbents for .beta.2-microglobulin in therapeutic
extracorporeal circulation
INVENTOR(S): **Furuyoshi, Shigeo**; Tani, Nobutaka; Takada,
Satoru
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01277570	A2	19891108	JP 1988-106613	19880428
JP 06011334	B4	19940216		

L5 ANSWER 30 OF 63 USPATFULL
ACCESSION NUMBER: 89:20916 USPATFULL
TITLE: Lipoprotein adsorbent and apparatus for removing
lipoproteins using the same
INVENTOR(S): **Furuyoshi, Shigeo**, Kobe, Japan
Tani, Nobutaka, Osaka, Japan
PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan
(non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 4814077 19890321
APPLICATION INFO.: US 1987-12232 19870209 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1986-27727	19860210
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Cintins, Ivars	
LEGAL REPRESENTATIVE:	Armstrong, Nikaido, Marmelstein & Kubovcik	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1,6	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	576	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 31 OF 63 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 6
ACCESSION NUMBER: 1989:474340 CAPLUS
DOCUMENT NUMBER: 111:74340
TITLE: Adsorbent for removal of lipoproteins and apparatus containing the adsorbent
INVENTOR(S): **Furuyoshi, Shigeo**; Tani, Nobutaka
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63208764	A2	19880830	JP 1987-42436	19870225
JP 06011322	B4	19940216		

L5 ANSWER 32 OF 63 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 7
ACCESSION NUMBER: 1988:597166 CAPLUS
DOCUMENT NUMBER: 109:197166
TITLE: Styrene polymer porous adsorbents for removal of amyloid protein precursors from blood
INVENTOR(S): Tani, Nobutaka; **Furuyoshi, Shigeo**; Ogino, Ei-ji
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63122463	A2	19880526	JP 1986-268054	19861111
JP 06011332	B4	19940216		

L5 ANSWER 33 OF 63 USPATFULL
ACCESSION NUMBER: 88:30845 USPATFULL
TITLE: Sterilization of adsorbent and column having improved storability including sterilized adsorbent for use in extracorporeal circulation treatment
INVENTOR(S): Tani, Nobutaka, Minoo, Japan
Okuyama, Tsutomu, Kobe, Japan
Furuyoshi, Shigeo, Kobe, Japan

PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4744899		19880517
APPLICATION INFO.:	US 1985-789540		19851021 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1984-221861	19841022
	JP 1984-221862	19841022
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Cintins, Ivars	
LEGAL REPRESENTATIVE:	Armstrong, Nikaido, Marmelstein & Kubovcik	
NUMBER OF CLAIMS:	3	
EXEMPLARY CLAIM:	1	
LINE COUNT:	548	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 34 OF 63 USPATFULL
ACCESSION NUMBER: 88:5643 USPATFULL
TITLE: Adsorbent for .beta..sub.2 -microglobulin and immunoglobulin L-chain
INVENTOR(S): **Furuyoshi, Shigeo**, Kobe, Japan
Ogino, Eiji, Kobe, Japan
Tani, Nobutaka, Osaka, Japan
PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4721730		19880126
APPLICATION INFO.:	US 1987-55387		19870529 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1986-126000	19860530
	JP 1986-222287	19860919
	JP 1986-222288	19860919
	JP 1986-222289	19860919
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Foelak, Morton	
LEGAL REPRESENTATIVE:	Armstrong, Nikaido, Marmelstein & Kubovcik	
NUMBER OF CLAIMS:	3	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	595	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 35 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1988-099875 JAPIO
TITLE: BETA 2-MICROGLOBULIN ADSORBING BODY FOR TREATMENT OF EXTRACORPHOREAL CIRCULATION
INVENTOR: **FURUYOSHI SHIGEO**; OGINO EIJI; TANI NOBUTAKA
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 63099875	A	19880502	Showa	(4) A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1986-222287
 ORIGINAL: JP61222287
 19860919 Showa
 L5 ANSWER 36 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1988-077458 JAPIO
 TITLE: IMMUNOGLOBULIN LIGHT CHAIN ADSORBING BODY FOR
 EXTRACORPOREAL CIRCULATION REMEDY
 INVENTOR: OGINO EIJI; FURUYOSHI SHIGEO; TANI NOBUTAKA
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 63077458	A	19880407	Showa	(4) A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1986-222287
 ORIGINAL: JP61222287
 19860919 Showa
 L5 ANSWER 37 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1988-077457 JAPIO
 TITLE: IMMUNOGLOBULIN L CHAIN ADSORBING BODY FOR
 EXTRACORPOREAL CIRCULATION REMEDY
 INVENTOR: OGINO EIJI; FURUYOSHI SHIGEO; TANI NOBUTAKA
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 63077457	A	19880407	Showa	(4) A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1986-222288
 ORIGINAL: JP61222288
 19860919 Showa
 L5 ANSWER 38 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1988:637070 CAPLUS
 DOCUMENT NUMBER: 109:237070
 TITLE: Adsorptive column with improved storage stability for
 extracorporeal circulation therapy
 INVENTOR(S): FURUYOSHI, Shigeo; Tani, Nobutaka; Okuyama, Tsutomu
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62224362	A2	19871002	JP 1986-69114	19860327
JP 06026568	B4	19940413		

L5 ANSWER 39 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1988:156460 CAPLUS
 DOCUMENT NUMBER: 108:156460
 TITLE: Immobilized primary amine adsorbent for
 .beta.2-microglobulin and immunoglobulin L-chain, for

INVENTOR(S): use in dialysis
Nobutaka
Furuyoshi, Shigeo; Ogino, Eiji; Tani,

PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
Eur. Pat. Appl., 13 pp.

CODEN: EPXXDM

DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 247592	A2	19871202	EP 1987-107720	19870527
EP 247592	A3	19880810		
EP 247592	B1	19920304		
R: DE, FR, GB, IT				
JP 63077457	A2	19880407	JP 1986-222288	19860919
JP 05016901	B4	19930305		
JP 63099875	A2	19880502	JP 1986-222287	19860919
JP 05028151	B4	19930423		
JP 06016839	B4	19940309	JP 1986-222289	19860919
CA 1285925	A1	19910709	CA 1987-538040	19870526
US 4721730	A	19880126	US 1987-55387	19870529
PRIORITY APPLN. INFO.:				
JP 1986-126000			JP 1986-222289	19860919
JP 1986-222287			JP 1986-222288	19860919
JP 1986-222289			JP 1986-222289	19860919

L5 ANSWER 40 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:443441 CAPLUS
DOCUMENT NUMBER: 109:43441
TITLE: Supported aromatic amines as lipoprotein absorbents,
and an apparatus for their use
INVENTOR(S): Furuyoshi, Shigeo; Tani, Nobutaka
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
Eur. Pat. Appl., 23 pp.

CODEN: EPXXDM

DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 232875	A2	19870819	EP 1987-101718	19870207
EP 232875	A3	19880210		
EP 232875	B1	19910508		
R: BE, CH, DE, FR, GB, IT, LI, SE				
JP 62186940	A2	19870815	JP 1986-27727	19860210
JP 04034451	B4	19920608		
CA 1278561	A1	19910102	CA 1987-529109	19870205
US 4814077	A	19890321	US 1987-12232	19870209
PRIORITY APPLN. INFO.:				
JP 1986-27727			JP 1986-27727	19860210

L5 ANSWER 41 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:498814 CAPLUS
DOCUMENT NUMBER: 109:98814
TITLE: Anionic functional group-containing water-insoluble
adsorbent gel for selective removal of human
complement components from body fluids and an
apparatus for using the gel.
INVENTOR(S): Tani, Nobutaka; Hayashi, Tsunao; Furuyoshi, Shigeo; Nagano, Youko

PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 230247	A2	19870729	EP 1987-100297	19870113
EP 230247	A3	19880217		
R: BE, DE, FR, GB, IT				
JP 62191041	A2	19870821	JP 1986-5535	19860114
JP 06016842	B4	19940309		
JP 62211073	A2	19870917	JP 1986-53959	19860312
JP 05092036	A2	19930416		
JP 07038881	B4	19950501	JP 1986-5535	19860114
PRIORITY APPLN. INFO.:				
	JP 1986-5535			
	JP 1986-53959			

L5 ANSWER 42 OF 63 USPTFULL
ACCESSION NUMBER: 87:24631 USPTFULL
TITLE: Lipoprotein adsorbent for use in extracorporeal circulation treatment and process for preparing thereof
INVENTOR(S): Tanii, Nobutaka, Minoo, Japan
PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan
(non-U.S. corporation)

NUMBER	KIND	DATE
US 4656261		19870407
US 1985-789537		19851021 (6)

PRIORITY INFORMATION:

JP 1984-231012	19841031	JP 1985-110775	19850523
DOCUMENT TYPE: Utility			
FILE SEGMENT: Granted			
PRIMARY EXAMINER: Foelak, Morton			
LEGAL REPRESENTATIVE: Armstrong, Nikaido, Marmelstein & Kubovcik			
NUMBER OF CLAIMS: 1			
EXEMPLARY CLAIM: 1			
NUMBER OF DRAWINGS: 1			
DRAWING FIGURE(S): 1 Drawing Page(s)			
LINE COUNT: 488			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 43 OF 63 USPTFULL

ACCESSION NUMBER: 87:22635 USPTFULL
TITLE: Lipoprotein adsorbent for use in extracorporeal circulation treatment and process for preparing thereof
INVENTOR(S): Furuyoshi, Shigeo, Kobe, Japan
PATENT ASSIGNEE(S): Tanii, Nobutaka, Minoo, Japan
Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan
(non-U.S. corporation)

NUMBER	KIND	DATE
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US 4654420		19870331
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US 1986-877089		19860623 (6)
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PATENT INFORMATION: APPLICATION INFO.: Division of Ser. No. US 1985-789537, filed on 21 Oct 1985
RELATED APPLN. INFO.:

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1984-231012	19841031
	JP 1985-110775	19850523
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Foelak, Morton	
LEGAL REPRESENTATIVE:	Armstrong, Nikaido, Marmelstein & Kubovcik	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	495	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 44 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1987-224363 JAPIO
 TITLE: STERILIZATION OF ADSORBENT
 INVENTOR: **FURUYOSHI SHIGEO**; TANI NOBUTAKA; OKUYAMA
 TSUTOMU
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 62224363	A	19871002	Showa	(4) A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1986-69115 19860327
 ORIGINAL: JP61069115 Showa

L5 ANSWER 45 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1987-211073 JAPIO
 TITLE: ADSORBENT FOR COMPLIANT COMPONENT
 INVENTOR: TANI NOBUTAKA; HAYASHI TSUNEO; **FURUYOSHI SHIGEO**; NAGANO YOKO
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 62211073	A	19870917	Showa	(4) A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1986-53959 19860312
 ORIGINAL: JP61053959 Showa

L5 ANSWER 46 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1987-186940 JAPIO
 TITLE: ADSORBENT FOR LIPOPROTEIN
 INVENTOR: **FURUYOSHI SHIGEO**; TANI NOBUTAKA
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 62186940	A	19870815	Showa	(4) B01J020-22

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1986-27727 19860210
 ORIGINAL: JP61027727 Showa

SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 473, Vol. 12, No. 37, P. 136
(19880204)

L5 ANSWER 47 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1986:412191 CAPLUS
DOCUMENT NUMBER: 105:12191
TITLE: Sterilization of the polysaccharide adsorbent used for
extracorporeal blood circulation treatment
INVENTOR(S): Tani, Nobutaka; Okuyama, Tsutomu; **Furuyoshi,**
Shigeo
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 179420	A2	19860430	EP 1985-113283	19851019
EP 179420	A3	19880224		
EP 179420	B1	19910109		
R: BE, CH, DE, FR, GB, IT, LI, NL, SE				
JP 05047223	B4	19930716	JP 1984-221861	19841022
JP 05047224	B4	19930716	JP 1984-221862	19841022
CA 1250276	A1	19890221	CA 1985-493224	19851017
CN 85109640	A	19860702	CN 1985-109640	19851021
US 4744899	A	19880517	US 1985-789540	19851021
FI 90206	B	19930930	FI 1985-4096	19851021
FI 90206	C	19940110		
ZA 8508104	A	19860625	ZA 1985-8104	19851022
JP 08052303	A2	19960227	JP 1995-123298	19950523
JP 2578588	B2	19970205		
PRIORITY APPLN. INFO.:			JP 1984-221861	19841022
			JP 1984-221862	19841022

L5 ANSWER 48 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1986-268355 JAPIO
TITLE: LIPOPROTEIN ADSORBENT FOR EXTERNAL CIRCULATION
TREATMENT AND ITS PREPARATION
INVENTOR: **FURUYOSHI SHIGEO; TANI NOBUTAKA**
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 61268355	A	19861127	Showa	(4) B01J020-26

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1985-110775 19850523
ORIGINAL: JP60110775 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 418, Vol. 11, No. 133, P. 9
(19870425)

L5 ANSWER 49 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1986-100262 JAPIO
TITLE: ADSORPTION COLUMN FOR EXTERNAL BODY RECIRCULATION
TREATMENT IMPROVED IN STORAGE STABILITY
INVENTOR: TANI NOBUTAKA; OKUYAMA TSUTOMU; **FURUYOSHI**
SHIGEO

PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 61100262	A	19860519	Showa	(4) A61M001-36

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1984-221862 19841022
ORIGINAL: JP59221862 Showa

L5 ANSWER 50 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1986-100261 JAPIO
TITLE: STERILIZATION OF ADSORBING BODY
INVENTOR: TANI NOBUTAKA; OKUYAMA TSUTOMU; **FURUYOSHI SHIGEO**
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 61100261	A	19860519	Showa	(4) A61M001-36

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1984-221861 19841022
ORIGINAL: JP59221861 Showa

L5 ANSWER 51 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1986:89003 CAPLUS
DOCUMENT NUMBER: 104:89003
TITLE: Synthesis and polymerization of N-acryloyl- and N-methacryloylaminomethyl crown ethers
AUTHOR(S): Nakatsuji, Yohji; **Furuyoshi, Shigeo**; Okahara, Mitsuo; Takemoto, Kiichi
CORPORATE SOURCE: Fac. Eng., Osaka Univ., Osaka, Japan
SOURCE: Makromol. Chem. (1986), 187(1), 105-9
CODEN: MACEAK; ISSN: 0025-116X
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 52 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1984:34523 CAPLUS
DOCUMENT NUMBER: 100:34523
TITLE: Synthesis of N-unsubstituted di- and triaza crown ethers
AUTHOR(S): Maeda, Hirokazu; **Furuyoshi, Shigeo**; Nakatsuji, Yohji; Okahara, Mitsuo
CORPORATE SOURCE: Fac. Eng., Osaka Univ., Suita, 565, Japan
SOURCE: Bull. Chem. Soc. Jpn. (1983), 56(10), 3073-7
CODEN: BCSJA8; ISSN: 0009-2673
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 100:34523

L5 ANSWER 53 OF 63 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1983:179347 CAPLUS
DOCUMENT NUMBER: 98:179347
TITLE: Synthesis of monoaza crown ethers from N,N-bis[oligo(oxyalkylene)]amines and oligoethylene glycol bis(p-toluenesulfonates) or corresponding dichlorides
AUTHOR(S): Maeda, Hirokazu; **Furuyoshi, Shigeo**;

CORPORATE SOURCE: Nakatsuji, Yohji; Okahara, Mitsuo
 SOURCE: Fac. Eng., Osaka Univ., Suita, 565, Japan
 Bull. Chem. Soc. Jpn. (1983), 56(1), 212-18
 CODEN: BCSJA8; ISSN: 0009-2673
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 98:179347

L5 ANSWER 54 OF 63 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1983:405613 CAPLUS
 DOCUMENT NUMBER: 99:5613
 TITLE: Intramolecular cyclization of N,N-bis(oligooxyethylene)amines: a new synthesis of monoaza crown ethers
 AUTHOR(S): Maeda, Hirokazu; **Furuyoshi, Shigeo**;
 Nakatsuji, Yohji; Okahara, Mitsuo
 CORPORATE SOURCE: Dep. Appl. Chem., Osaka Univ., Osaka, 565, Japan
 SOURCE: Tetrahedron (1982), 38(22), 3359-62
 CODEN: TETRAB; ISSN: 0040-4020
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 99:5613

L5 ANSWER 55 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 2001-219062 JAPIO
 TITLE: PEPTIDOGLYCAN ADSORBING MATERIAL, AND METHOD AND DEVICE FOR ADSORBING/REMOVING PEPTIDOGLYCAN
 INVENTOR: HIRAI FUMIYASU; **FURUYOSHI SHIGEO**
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001219062A		20010814	Heisei	B01J020-24

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP2000-338945 20001107
 ORIGINAL: JP2000338945 Heisei
 PRIORITY APPLN. INFO.: JP1999 343164 19991202
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001

L5 ANSWER 56 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 2001-129077 JAPIO
 TITLE: FILTER TO PREVENT FILLED ARTICLE FORM FLOWING OUT, AND ADSORBER EQUIPPED WITH THE SAME
 INVENTOR: ITO SHINJI; NANKO AKITAKE; **FURUYOSHI SHIGEO**
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001129077A		20010515	Heisei	A61M001-00

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1999-312104 19991102
 ORIGINAL: JP11312104 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001

L5 ANSWER 57 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 2001-114802 JAPIO

TITLE: MODIFICATION METHOD OF CELLULOSE AND BLOOD PURIFIER
INVENTOR: NAKATANI MASARU; KOBAYASHI AKIRA; **FURUYOSHI SHIGEO**
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001114802A		20010424	Heisei	C08B015-00

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1999-299435 19991021
ORIGINAL: JP11299435 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001

L5 ANSWER 58 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 2001-286554 JAPIO
TITLE: ADSORBER FOR DILATED CARDIOMYOPATHY
INVENTOR: OGINO EIJI; **FURUYOSHI SHIGEO**; HIRAI FUMIYASU; NISHIMOTO TAKEHIRO
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001286554A		20011016	Heisei	A61M001-36

JP
APPLICATION INFORMATION
ST19N FORMAT: JP2000-106915 20000407
ORIGINAL: JP2000106915 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001

L5 ANSWER 59 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 2001-218840 JAPIO
TITLE: ADSORBENT FOR TRANSFORMING GROWTH FACTOR. BETA, ADSORBING/REMOVING METHOD, AND ADSORBER
INVENTOR: HIRAI FUMIYASU; FUJIMOTO TAMIJI; **FURUYOSHI SHIGEO**
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001218840A		20010814	Heisei	A61M001-36

JP
APPLICATION INFORMATION
ST19N FORMAT: JP2000-035168 20000214
ORIGINAL: JP2000035168 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001

L5 ANSWER 60 OF 63 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 2001-204500 JAPIO
TITLE: METHOD FOR ADSORBING AND REMOVING LIPOPROTEIN
INVENTOR: KOBAYASHI AKIRA; NAKATANI MASARU; OKUYAMA TSUTOMU; **FURUYOSHI SHIGEO**; TANI NOBUTAKA
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001204500A		20010731	Heisei	C12S003-14

JP

APPLICATION INFORMATION

ST19N FORMAT: JP2000-019249 20000127

ORIGINAL: JP2000019249 Heisei

SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001

L5 ANSWER 61 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 2001-204816 JAPIO
 TITLE: BODY FLUID TREATMENT DEVICE FOR DIRECT BLOOD PERFUSION
 INVENTOR: OKUYAMA TSUTOMU; NAKATANI MASARU; KOBAYASHI AKIRA;
 ICHIMURA MASANORI; **FURUYOSHI SHIGEO**
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001204816A		20010731	Heisei	A61M001-36

JP

APPLICATION INFORMATION

ST19N FORMAT: JP2000-015433 20000125

ORIGINAL: JP2000015433 Heisei

SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001

L5 ANSWER 62 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 2000-288388 JAPIO
 TITLE: ADSORBENT FOR TUMOR NECROSIS FACTOR-ALPHA, METHOD FOR
 ADSORPTION/REMOVAL, AND ADSORPTION DEVICE
 INVENTOR: HIRAI FUMIYASU; **FURUYOSHI SHIGEO**; TANI
 NOBUTAKA
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2000288388A		20001017	Heisei	B01J020-26

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1999-093580 19990331

ORIGINAL: JP11093580 Heisei

SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2000

L5 ANSWER 63 OF 63 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 2000-271214 JAPIO
 TITLE: METHOD FOR REDUCING BIOACTIVITY OF ENDOTOXIN
 INVENTOR: FUJIMOTO TAMIJI; HIRAI FUMIYASU; NAKATANI MASARU;
FURUYOSHI SHIGEO; TANI NOBUTAKA
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2000271214A		20001003	Heisei	A61M001-36

JP

APPLICATION INFORMATION

ST19N FORMAT:	JP1999-077711	19990323
ORIGINAL:	JP11077711	Heisei
SOURCE:	PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2000	

=>

L2 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:586383 CAPLUS
 DOCUMENT NUMBER: 135:157749
 TITLE: Adsorbents and apparatus for removing transforming growth factor .beta. (TGF-.beta.) from body fluid, and method for the removal
 INVENTOR(S): Hirai, Fumiyasu; **Fujimoto, Tamiji**; Furuyoshi, Shigeo
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001218840	A2	20010814	JP 2000-35168	20000214
US 2001021525	A1	20010913	US 2001-773598	20010202
EP 1142633	A1	20011010	EP 2001-102701	20010206

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: JP 2000-35168 A 20000214

L2 ANSWER 2 OF 31 USPATFULL
 ACCESSION NUMBER: 2001:155594 USPATFULL
 TITLE: Adsorbent for transforming growth factor-beta, method for removing the transforming growth factor-beta by adsorption and adsorber packed with the adsorbent
 INVENTOR(S): Hirai, Fumiyasu, Ibaraki-shi, Japan
Fujimoto, Tamiji, Settsu-shi, Japan
 Furuyoshi, Shigeo, Kobe-shi, Japan
 PATENT ASSIGNEE(S): KANEKA CORPORATION, Osaka-shi, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001021525	A1	20010913
APPLICATION INFO.:	US 2001-773598	A1	20010202 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2000-35168	20000214
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ARMSTRONG, WESTERMAN, HATTORI,, MCLELAND & NAUGHTON, LLP, 1725 K STREET, NW, SUITE 1000, WASHINGTON, DC, 20006	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	600	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 31 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:693492 CAPLUS
 TITLE: The method of decreasing the biological activity of the ended toxin. [Machine Translation].
 INVENTOR(S): **Fujimoto, Tamiji**; Hirai, Fumiyasu; Nakaya, Masaru; Furuyoshi, Shigeo; Tani, Nobutaka
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

CODEN: JKXXAF

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000271214	A2	20001003	JP 1999-77711	19990323

L2 ANSWER 4 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1998-128444 JAPIO
TITLE: APPARATUS FOR STRAIGHTENING THIN STRIP
INVENTOR: SHINKAI TETSUYA; SASAKI AKIHIKO; **FUJIMOTO TAMIJI**
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 10128444	A	19980519	Heisei	(6) B21C047-26

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1996-286438 19961029
ORIGINAL: JP08286438 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 98, No. 5

L2 ANSWER 5 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1998-034236 JAPIO
TITLE: TENSION LEVELER
INVENTOR: **FUJIMOTO TAMIJI**; SHINKAI TETSUYA; YOKOMICHI SEIJI
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 10034236	A	19980210	Heisei	(6) B21D001-05

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1996-198835 19960729
ORIGINAL: JP08198835 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 98, No. 2

L2 ANSWER 6 OF 31 USPATFULL
ACCESSION NUMBER: 96:75134 USPATFULL
TITLE: Method for producing microgranulated particle
INVENTOR(S): Yano, Yoshiaki, Kakogawa, Japan
Fujimoto, Tamiiji, Kobe, Japan
Hidaka, Takayoshi, Kobe, Japan
PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5547683		19960820
	WO 9408709		19940428
APPLICATION INFO.:	US 1994-244375		19940608 (8)
	WO 1993-JP1442		19931006
			19940608 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1992-297905	19921009
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Azpuru, Carlos	
LEGAL REPRESENTATIVE:	Birch, Stewart, Kolasch & Birch, LLP	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	587	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 7 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1996-224617 JAPIO
 TITLE: TENSION LEVELER
 INVENTOR: MORII SHIGEKI; NAGAI NAOYUKI; TOKIYASU KOICHI;
FUJIMOTO TAMIJI
 PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 08224617	A	19960903	Heisei	(6) B21D001-05

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1995-56788 19950222
 ORIGINAL: JP07056788 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
 Applications, Vol. 96, No. 9

L2 ANSWER 8 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1995-290147 JAPIO
 TITLE: TENSION LEVELER
 INVENTOR: MORII SHIGEKI; KATAYAMA KEIICHI; NAGAI NAOYUKI;
 TOKIYASU KOICHI; **FUJIMOTO TAMIJI**
 PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 07290147	A	19951107	Heisei	(6) B21D001-05

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1994-84340 19940422
 ORIGINAL: JP06084340 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
 Applications, Vol. 95, No. 11

L2 ANSWER 9 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1995-060351 JAPIO
 TITLE: TENSION LEVELER
 INVENTOR: MORII SHIGEKI; KATAYAMA KEIICHI; NAGAI NAOYUKI; TSUBOI
 MAMORU; **FUJIMOTO TAMIJI**
 PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 07060351	A	19950307	Heisei	(6) B21D001-05

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1993-211176 19930826
ORIGINAL: JP05211176 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 95, No. 3

L2 ANSWER 10 OF 31 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1994:418084 CAPLUS
DOCUMENT NUMBER: 121:18084
TITLE: Production method for fine granulate
INVENTOR(S): Yano, Yoshiaki; **Fujimoto, Tami**ji; Hidaka,
Takayoshi
PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9408709	A1	19940428	WO 1993-JP1442	19931006
W: CA, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2124568	AA	19940428	CA 1993-2124568	19931006
EP 616841	A1	19940928	EP 1993-922047	19931006
EP 616841	B1	19981223		
R: BE, CH, DE, ES, FR, GB, IT, LI				
ES 2124794	T3	19990216	ES 1993-922047	19931006
CN 1091628	A	19940907	CN 1993-118594	19931009
US 5547683	A	19960820	US 1994-244375	19940608
PRIORITY APPLN. INFO.:			JP 1992-297905	19921009
			WO 1993-JP1442	19931006

L2 ANSWER 11 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1993-000323 JAPIO
TITLE: ROLL-CHANGING DEVICE FOR TENSION LEVELER
INVENTOR: KITAMOTO SHINJI; **FUJIMOTO TAMI**JI
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 05000323	A	19930108	Heisei	(5) B21D001-05

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1991-153203 19910625
ORIGINAL: JP03153203 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: M, Sect. No. 1413, Vol. 17, No. 256, P. 155
(19930520)

L2 ANSWER 12 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1991-008522 JAPIO
TITLE: VARIABLE CROWN ROLL UNIT FOR TENSION LEVELLER
INVENTOR: KITAMOTO SHINJI; **FUJIMOTO TAMI**JI
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
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JP 03008522 A 19910116 Heisei (5) B21D001-05

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1989-142202 19890606
ORIGINAL: JP01142202 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: M, Sect. No. 1095, Vol. 15, No. 117, P. 31
(19910320)

L2 ANSWER 13 OF 31 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1990:549160 CAPLUS
DOCUMENT NUMBER: 113:149160
TITLE: Tachyplesins isolated from hemocytes of Southeast
Asian horseshoe crabs (Carcinoscorpius rotundicauda
and Tachyplesus gigas): identification of a new
tachyplesin, tachyplesin III, and a processing
intermediate of its precursor
AUTHOR(S): Muta, Tatsushi; **Fujimoto, Tamiji**; Nakajima,
Hiroshi; Iwanaga, Sadaaki
CORPORATE SOURCE: Fac. Sci., Kyushu Univ., Fukuoka, 812, Japan
SOURCE: J. Biochem. (Tokyo) (1990), 108(2), 261-6
CODEN: JOBIAO; ISSN: 0021-924X
DOCUMENT TYPE: Journal
LANGUAGE: English

L2 ANSWER 14 OF 31 JAPIO COPYRIGHT 2002 JPO

ACCESSION NUMBER: 1988-286298 JAPIO
TITLE: EMERGENCY SHUTDOWN CONTROLLER FOR BRIQUETTING MACHINE
INVENTOR: **FUJIMOTO TAMIJI**; TACHIHARA TOMOAKI;
SHINOHARA SHIZUO
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
RIYOUSEN ENG KK, JP (CO 472560)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 63286298	A	19881122	Showa	(4) B30B011-16

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1987-119104 19870518
ORIGINAL: JP62119104 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: M, Sect. No. 804, Vol. 13, No. 94, P. 69
(19890306)

L2 ANSWER 15 OF 31 JAPIO COPYRIGHT 2002 JPO

ACCESSION NUMBER: 1984-153599 JAPIO
TITLE: BRIQUETTING MACHINE
INVENTOR: OTAWA KIMIAKI; TAKAHASHI HIROYOSHI; **FUJIMOTO
TAMIJI**
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 59153599	A	19840901	Showa	(3) B30B011-16

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1983-27037 19830222
ORIGINAL: JP58027037 Showa

SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: M, Sect. No. 348, Vol. 8, No. 2841, P. 162
(19841226)

L2 ANSWER 16 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1984-133334 JAPIO
TITLE: COMPRESSION MOLDING MACHINE HAVING MIXING FUNCTION
INVENTOR: ITANO SHIGEO; NAKAGAWA YOSHIKIYO; OTAWA KIMIYAKI;
TAKAHASHI HIROYOSHI; **FUJIMOTO TAMIJI**
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 59133334	A	19840731	Showa	(3) C22B001-248

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1983-6646 19830120
ORIGINAL: JP58006646 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 253, Vol. 8, No. 2551, P. 72
(19841121)

L2 ANSWER 17 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1984-126728 JAPIO
TITLE: COMPRESSION MOLDING DEVICE OF REDUCED IRON
INVENTOR: ITANO SHIGEO; NAKAGAWA YOSHIKIYO; OTAWA KIMIYAKI;
TAKAHASHI HIROYOSHI; **FUJIMOTO TAMIJI**
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 59126728	A	19840721	Showa	(3) C22B001-248

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1983-1718 19830111
ORIGINAL: JP58001718 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 251, Vol. 8, No. 2461, P. 100
(19841110)

L2 ANSWER 18 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1984-080323 JAPIO
TITLE: COMPRESSION MOLDING APPARATUS HAVING MIXING FUNCTION
INVENTOR: ITANO SHIGEO; NAKAGAWA YOSHIKIYO; OTAWA KIMIYAKI;
FUJIMOTO TAMIJI
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 59080323	A	19840509	Showa	(3) B01J002-22

JP
APPLICATION INFORMATION
ST19N FORMAT: JP1982-187544 19821027
ORIGINAL: JP57187544 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 239, Vol. 8, No. 1841, P. 134
(19840823)

L2 ANSWER 19 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1983-024332 JAPIO
 TITLE: PRODUCING DEVICE FOR BRIQUETTE OF REDUCED IRON
 INVENTOR: OTAWA KIMIACHI; TAKAHASHI HIROYOSHI; **FUJIMOTO TAMIJI**; FUKADA YASUO
 PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 58024332	A	19830214	Showa	(3) B01J002-22

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1981-121874 19810805
 ORIGINAL: JP56121874 Showa
 SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
 Section: C, Sect. No. 163, Vol. 7, No. 951, P. 141
 (19830423)

L2 ANSWER 20 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1983-024331 JAPIO
 TITLE: PRODUCING DEVICE FOR BRIQUETTE OF REDUCED IRON
 INVENTOR: OTAWA KIMIACHI; TAKAHASHI HIROYOSHI; **FUJIMOTO TAMIJI**; FUKADA YASUO
 PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 58024331	A	19830214	Showa	(3) B01J002-22

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1981-121873 19810805
 ORIGINAL: JP56121873 Showa
 SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
 Section: C, Sect. No. 163, Vol. 7, No. 951, P. 140
 (19830423)

L2 ANSWER 21 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1981-032286 JAPIO
 TITLE: BUCKET TYPE PULVERULENT AND GRANULAR BODY CONTROL VALVE
 INVENTOR: HIROOKA YOSHITAKA; TAKAHASHI HIROYOSHI; **FUJIMOTO TAMIJI**
 PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 56032286	A	19810401	Showa	(3) B65D090-58

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1979-106001 19790822
 ORIGINAL: JP54106001 Showa

L2 ANSWER 22 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1979-137119 JAPIO
 TITLE: VALVE
 INVENTOR: OTAWA KIMIACHI; TAKAHASHI HIROYOSHI; **FUJIMOTO TAMIJI**; FUKADA YASUO
 PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)

PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 54137119	A	19791024	Showa	(2) F16K025-00

JP

APPLICATION INFORMATION

ST19N FORMAT:	JP1978-44147	19780417
ORIGINAL:	JP53044147	Showa

L2 ANSWER 23 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1979-112307 JAPIO
TITLE: CUTTING APPARATUS FOR CONTENTS OF SHAFT FURNACE
INVENTOR: OTAWA KIMIYAKI; TAKAHASHI HIROYOSHI; **FUJIMOTO TAMIJI**; FUKADA YASUO
PATENT ASSIGNEE(S): AGENCY OF IND SCIENCE & TECHNOL, JP (GO 000114)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 54112307	A	19790903	Showa	(2) F27B001-20

JP

APPLICATION INFORMATION

ST19N FORMAT:	JP1978-19124	19780223
ORIGINAL:	JP53019124	Showa

SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications, Section: C, Sect. No. 63, Vol. 3, No. 1331, P. 68 (19791107)

L2 ANSWER 24 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1979-112306 JAPIO
TITLE: CUTTING APPARATUS FOR CONTENTS OF SHAFT FURNACE
INVENTOR: OTAWA KIMIYAKI; **FUJIMOTO TAMIJI**; TAKAHASHI HIROYOSHI
PATENT ASSIGNEE(S): AGENCY OF IND SCIENCE & TECHNOL, JP (GO 000114)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 54112306	A	19790903	Showa	(2) F27B001-20

JP

APPLICATION INFORMATION

ST19N FORMAT:	JP1978-19123	19780223
ORIGINAL:	JP53019123	Showa

SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications, Section: C, Sect. No. 63, Vol. 3, No. 1331, P. 68 (19791107)

L2 ANSWER 25 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1978-026708 JAPIO
TITLE: DRAWING OUT APPARATUS FOR DIRECT REDUCTION SHAFT FURNACE
INVENTOR: OTAWA KIMIYAKI; **FUJIMOTO TAMIJI**
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 53026708	A	19780313	Showa	(2) F27B001-20

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1976-101460 19760825
ORIGINAL: JP51101460 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 14, Vol. 2, No. 721, P. 730
(19780531)

L2 ANSWER 26 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1978-016366 JAPIO
TITLE: SOLID-GAS CONTACTING APPARATUS
INVENTOR: OTAWA MASAOKI; FUJIMOTO TAMIJI; ITANO SHIGEO
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 53016366	A	19780215	Showa	(2) B01J008-12

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1976-90220 19760730
ORIGINAL: JP51090220 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 12, Vol. 2, No. 591, P. 410
(19780427)

L2 ANSWER 27 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1978-012712 JAPIO
TITLE: FORMING METHOD FOR REDUCED IRON
INVENTOR: OTAWA KIMIYAKI; FUJIMOTO TAMIJI
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 53012712	A	19780204	Showa	(2) C22B001-14

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1976-87147 19760723
ORIGINAL: JP51087147 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: C, Sect. No. 11, Vol. 2, No. 521, P. 276
(19780414)

L2 ANSWER 28 OF 31 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1977-135946 JAPIO
TITLE: COUPLED IRON MANUFACTURING AND POWER GENERATING
INSTALLATION
INVENTOR: OTAWA KIMIYAKI; FUJIMOTO TAMIJI; ITANO SHIGEO
PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 52135946	A	19771114	Showa	(2) F01K025-14

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1976-52108 19760510
ORIGINAL: JP51052108 Showa
SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications,
Section: M, Sect. No. 7, Vol. 2, No. 211, P. 7279
(19780210)

L2 ANSWER 29 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1977-016417 JAPIO
 TITLE: PROCESS FOR PRODUCTION OF REDUCED IRON FROM FINE IRON ORE
 INVENTOR: HANASAKI MIKI; MISU HIKARI; **FUJIMOTO TAMIJI**
 PATENT ASSIGNEE(S): MITSUBISHI HEAVY IND LTD, JP (CO 000620)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 52016417	A	19770207	Showa	(2) C21B013-00

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1975-91849 19750730
 ORIGINAL: JP50091849 Showa
 SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications, Section: C, Sect. No. 14, Vol. 1, No. 541, P. 498 (19770525)

L2 ANSWER 30 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 2001-218840 JAPIO
 TITLE: ADSORBENT FOR TRANSFORMING GROWTH FACTOR. BETA, ADSORBING/REMOVING METHOD, AND ADSORBER
 INVENTOR: HIRAI FUMIYASU; **FUJIMOTO TAMIJI**; FURUYOSHI SHIGEO
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001218840A		20010814	Heisei	A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP2000-035168 20000214
 ORIGINAL: JP2000035168 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2001

L2 ANSWER 31 OF 31 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 2000-271214 JAPIO
 TITLE: METHOD FOR REDUCING BIOACTIVITY OF ENDOTOXIN
 INVENTOR: **FUJIMOTO TAMIJI**; HIRAI FUMIYASU; NAKATANI MASARU; FURUYOSHI SHIGEO; TANI NOBUTAKA
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2000271214A		20001003	Heisei	A61M001-36

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1999-077711 19990323
 ORIGINAL: JP11077711 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2000

=>

L8 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:416821 CAPLUS
 DOCUMENT NUMBER: 135:16336
 TITLE: Adsorbent for peptidoglycan, and method and apparatus
 for adsorptively removing peptidoglycan
 INVENTOR(S): **Hirai, Fumiyasu**; Furuyoshi, Shigeo
 PATENT ASSIGNEE(S): Kaneka Corporation, Japan
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001039879	A1	20010607	WO 2000-JP8487	20001130
W: US				
RW: DE, FR, GB, IT				
JP 2001219062	A2	20010814	JP 2000-338945	20001107
PRIORITY APPLN. INFO.:			JP 1999-343164	A 19991202
			JP 2000-338945	A 20001107
REFERENCE COUNT:	29	THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L8 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:752838 CAPLUS
 DOCUMENT NUMBER: 135:308941
 TITLE: Adsorbents for antibodies, adsorption process, and
 apparatus for treatment of dilated cardiomyopathy
 INVENTOR(S): Ogino, Eiichi; Furuyoshi, Shigeo; **Hirai, Fumiyasu**; Nishimoto, Takehiro
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001286554	A2	20011016	JP 2000-106915	20000407
WO 2001076662	A1	20011018	WO 2001-JP3026	20010409
W: CN, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
PRIORITY APPLN. INFO.:			JP 2000-106915	A 20000407

L8 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:586383 CAPLUS
 DOCUMENT NUMBER: 135:157749
 TITLE: Adsorbents and apparatus for removing transforming
 growth factor .beta. (TGF-.beta.) from body fluid, and
 method for the removal
 INVENTOR(S): **Hirai, Fumiyasu**; Fujimoto, Tamiji;
 Furuyoshi, Shigeo
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001218840	A2	20010814	JP 2000-35168	20000214
US 2001021525	A1	20010913	US 2001-773598	20010202
EP 1142633	A1	20011010	EP 2001-102701	20010206

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: JP 2000-35168 A 20000214

L8 ANSWER 4 OF 34 USPATFULL

ACCESSION NUMBER: 2001:155594 USPATFULL

TITLE: Adsorbent for transforming growth factor-beta, method
for removing the transforming growth factor-beta by
adsorption and adsorber packed with the adsorbent

INVENTOR(S): **Hirai, Fumiyasu**, Ibaraki-shi, Japan
Fujimoto, Tamiji, Settsu-shi, Japan
Furuyoshi, Shigeo, Kobe-shi, Japan

PATENT ASSIGNEE(S): KANEKA CORPORATION, Osaka-shi, Japan (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001021525	A1	20010913
APPLICATION INFO.:	US 2001-773598	A1	20010202 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2000-35168	20000214
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ARMSTRONG, WESTERMAN, HATTORI,, MCLELAND & NAUGHTON, LLP, 1725 K STREET, NW, SUITE 1000, WASHINGTON, DC, 20006	

NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 600
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 34 USPATFULL

ACCESSION NUMBER: 2001:202109 USPATFULL

TITLE: Method for removing toxic shock syndrome toxin-1 in
body fluids by adsorption

INVENTOR(S): **Hirai, Fumiyasu**, Amagasaki, Japan
Ogino, Eiichi, Kobe, Japan
Maruyama, Hiroyuki, Kakogawa, Japan
Sakogawa, Takayuki, Takasago, Japan
Asahi, Takashi, Kobe, Japan
Tani, Nobutaka, Osaka, Japan

PATENT ASSIGNEE(S): Kaneka Corporation, Osaka, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6315907	B1	20011113
	WO 9847548		19981029
APPLICATION INFO.:	US 1999-403281		19991019 (9)
	WO 1998-JP1704		19980413
			19991019 PCT 371 date
			19991019 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1997-103576	19970421

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Cintins, Ivars
LEGAL REPRESENTATIVE: Armstrong, Westerman, Hattori, McLeland & Naughton, LLP
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 590
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1

ACCESSION NUMBER: 2001:276095 BIOSIS
DOCUMENT NUMBER: PREV200100276095
TITLE: Endotoxin adsorption system.
AUTHOR(S): **Hirai, Fumiyasu (1)**; Ogino, Eiji; Asahi, Takashi;
Tani, Nobutaka
CORPORATE SOURCE: (1) Amagasaki Japan
ASSIGNEE: Kaneka Corporation, Osaka, Japan
PATENT INFORMATION: US 6132610 October 17, 2000
SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (Oct. 17, 2000) Vol. 1239, No. 3, pp. No
Pagination. e-file.
ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English

L8 ANSWER 7 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2

ACCESSION NUMBER: 2000:407839 BIOSIS
DOCUMENT NUMBER: PREV200000407839
TITLE: Adsorbent for serum amyloid protein.
AUTHOR(S): **Hirai, Fumiyasu (1)**; Tani, Nobutaka
CORPORATE SOURCE: (1) Amagasaki Japan
ASSIGNEE: Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka,
Japan
PATENT INFORMATION: US 6037458 March 14, 2000
SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (Mar. 14, 2000) Vol. 1232, No. 2, pp. No
pagination. e-file.
ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English

L8 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:732763 CAPLUS
DOCUMENT NUMBER: 133:325696
TITLE: Adsorbent for tumor necrosis factor-.alpha. and method
for removal of tumor necrosis factor-.alpha.
INVENTOR(S): **Hirai, Fumiyasu**; Furuyoshi, Shigeo; Tani,
Nobutaka
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000288388	A2	20001017	JP 1999-93580	19990331

L8 ANSWER 9 OF 34 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:693492 CAPLUS
 TITLE: The method of decreasing the biological activity of the ended toxin. [Machine Translation].
 INVENTOR(S): Fujimoto, Tamiji; Hirai, Fumiyasu; Nakaya, Masaru; Furuyoshi, Shigeo; Tani, Nobutaka
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000271214	A2	20001003	JP 1999-77711	19990323

L8 ANSWER 10 OF 34 USPATFULL
 ACCESSION NUMBER: 2000:132000 USPATFULL
 TITLE: Process for adsorbing and removing tumor necrosis factor-.alpha.
 INVENTOR(S): Hirai, Fumiyasu, Amagasaki, Japan
 Tani, Nobutaka, Osaka, Japan
 Asahi, Takashi, Kobe, Japan
 PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6127528		20001003
APPLICATION INFO.:	US 1999-283964		19990402 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-894052, filed on 12 Aug 1997, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1995-28129	19950216
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Borin, Michael	
LEGAL REPRESENTATIVE:	Kubovcik & Kubovcik	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	620	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 3
 ACCESSION NUMBER: 1999:341346 BIOSIS
 DOCUMENT NUMBER: PREV199900341346
 TITLE: Adsorbent of interleukins, process for removing the same, and adsorber for the same.
 AUTHOR(S): Hirai, Fumiyasu (1); Tani, Nobutaka; Yasuda, Takamune; Asahi, Takashi; Okubo, Yuji; Odawara, Osamu; Nomura, Michio
 CORPORATE SOURCE: (1) Electrotechnical Lab., Amagasaki Japan
 ASSIGNEE: Kanegafuchi Kagaku Kogyo Kabushiki Kaisha
 PATENT INFORMATION: US 5902877
 SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (02-AUG-99) Vol. 1222, No. 2, pp. NO PAGINATION.
 ISSN: 0098-1133.

DOCUMENT TYPE: Patent
LANGUAGE: English

L8 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 4
ACCESSION NUMBER: 1998:214340 CAPLUS
DOCUMENT NUMBER: 128:286410
TITLE: Adsorption system for endotoxin removal from blood
INVENTOR(S): **Hirai, Fumiyasu**; Ogino, Eiji; Asahi, Koji;
Tani, Nobutaka
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10085328	A2	19980407	JP 1996-248311	19960919
EP 834350	A1	19980408	EP 1997-305545	19970724
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6132610	A	20001017	US 1997-905710	19970805
PRIORITY APPLN. INFO.:			JP 1996-248311	A 19960919

L8 ANSWER 13 OF 34 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:708969 CAPLUS
DOCUMENT NUMBER: 129:335815
TITLE: Adsorbents for removing toxic shock syndrome toxin-1
from body fluids
INVENTOR(S): **Hirai, Fumiyasu**; Ogino, Eiji; Maruyama,
Hiroyuki; Sakogawa, Takayuki; Asahi, Takashi; Tani,
Nobutaka
PATENT ASSIGNEE(S): Kaneka Corporation, Japan
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9847548	A1	19981029	WO 1998-JP1704	19980413
W: CA, KR, US RW: DE, FR, GB, IT				
JP 10290833	A2	19981104	JP 1997-103576	19970421
EP 993834	A1	20000419	EP 1998-912798	19980413
R: DE, FR, GB, IT				
US 6315907	B1	20011113	US 1999-403281	19991019
PRIORITY APPLN. INFO.:			JP 1997-103576	A 19970421
			WO 1998-JP1704	W 19980413

L8 ANSWER 14 OF 34 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1998-328565 JAPIO
TITLE: IMMUNITY COMPLEX REMOVING DEVICE
INVENTOR: FUNAHASHI TAKASHI; **HIRAI FUMIYASU**; TANI
NOBUTAKA
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC

JP 10328565 A 19981215 Heisei (6) B01J020-26

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1998-90413 19980402
ORIGINAL: JP10090413 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 98, No. 12

L8 ANSWER 15 OF 34 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 1998-290833 JAPIO
TITLE: ADSORBENT OF TOXIC SHOCK SYNDROME TOXIN-1, ITS
ADSORPTIVELY REMOVING METHOD AND ADSORBER FILLED WITH
THIS ADSORBENT
INVENTOR: **HIRAI FUMIYASU**; OGINO EIJI; MARUYAMA
HIROYUKI; SAKOKAWA TAKAYUKI; ASAHI KOJI; TANI NOBUTAKA
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 10290833	A	19981104	Heisei (6)	A61M001-36

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1997-103576 19970421
ORIGINAL: JP09103576 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 98, No. 11

L8 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 5
ACCESSION NUMBER: 1997:317854 CAPLUS
DOCUMENT NUMBER: 127:23747
TITLE: Polymer adsorbents for bradykinin, removal of
bradykinin from blood, and adsorbing apparatus
INVENTOR(S): **Hirai, Fumiyasu**; Tani, Nobutaka; Yasuda,
Takamune; Asahi, Koji
PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09075725	A2	19970325	JP 1995-241087	19950920
WO 9710897	A1	19970327	WO 1996-JP2371	19960823
W: CA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2232190	AA	19970327	CA 1996-2232190	19960823
EP 933128	A1	19990804	EP 1996-927896	19960823
R: DE, FR, GB, IT				
PRIORITY APPLN. INFO.:			JP 1995-241087	19950920
			WO 1996-JP2371	19960823

L8 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:621400 CAPLUS
DOCUMENT NUMBER: 125:257302
TITLE: Adsorbents for removal of tumor necrosis
factor-.alpha. from body fluids
INVENTOR(S): **Hirai, Fumiyasu**; Tani, Nobutaka; Asahi,
Takashi

PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Japan
 SOURCE: PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9625228	A1	19960822	WO 1996-JP306	19960209
W: CA, JP, US				
RW: DE, FR, GB, IT				
CA 2213079	AA	19960822	CA 1996-2213079	19960209
EP 810027	A1	19971203	EP 1996-901994	19960209
R: DE, FR, GB, IT				
US 6127528	A	20001003	US 1999-283964	19990402
PRIORITY APPLN. INFO.:			JP 1995-28129	U 19950216
			WO 1996-JP306	W 19960209
			US 1997-894052	B3 19970812

L8 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:523995 CAPLUS
 DOCUMENT NUMBER: 125:162762
 TITLE: Adsorbent for endotoxin, tumor necrosis factor- alpha
 or interleukins, method for removal via adsorption,
 and adsorber
 INVENTOR(S): Hirai, Fumiyasu; Tani, Nobutaka; Yasuda,
 Takamune; Asahi, Takashi
 PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Japan
 SOURCE: PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9620042	A1	19960704	WO 1995-JP2500	19951204
W: CA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 08173802	A2	19960709	JP 1994-323308	19941226
JP 08173803	A2	19960709	JP 1994-323309	19941226
JP 08281101	A2	19961029	JP 1995-229298	19950906
CA 2208745	AA	19960704	CA 1995-2208745	19951204
EP 800862	A1	19971015	EP 1995-939386	19951204
R: DE, FR, GB, IT				
PRIORITY APPLN. INFO.:			JP 1994-323308	19941226
			JP 1994-323309	19941226
			JP 1995-28418	19950216
			JP 1995-229298	19950906
			WO 1995-JP2500	19951204

L8 ANSWER 19 OF 34 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1996:354040 CAPLUS
 DOCUMENT NUMBER: 125:8496
 TITLE: Adsorbent for interleukins, method of removal thereof
 by adsorption, and device for adsorption
 INVENTOR(S): Hirai, Fumiyasu; Tani, Nobutaka; Yasuda,
 Takamune; Asahi, Takashi; Okubo, Yuji; Odawara, Osamu;
 Nomura, Michio
 PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Japan
 SOURCE: PCT Int. Appl., 36 pp.

DOCUMENT TYPE: CODEN: PIXXD2
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: 1 Japanese
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9609115	A1	19960328	WO 1995-JP1859	19950918
W: CA, JP, US RW: DE, GB				
EP 729784	A1	19960904	EP 1995-931435	19950918
R: DE, GB				
US 5902877	A	19990511	US 1996-646266	19960520
PRIORITY APPLN. INFO.:			JP 1994-226906	19940921
			JP 1995-40882	19950228
			WO 1995-JP1859	19950918

L8 ANSWER 20 OF 34 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1996-281101 JAPIO
 TITLE: ADSORBENT, ADSORBING AND REMOVING METHOD AND ADSORBING
 DEVICE FOR INTERLEUKINS
 INVENTOR: **HIRAI FUMIYASU**; YASUDA TAKAMUNE; ASAHI KOJI;
 TANI NOBUTAKA
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 08281101	A	19961029	Heisei	(6) B01J020-26

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1995-229298 19950906
 ORIGINAL: JP07229298 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
 Applications, Vol. 96, No. 10

L8 ANSWER 21 OF 34 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1996-173803 JAPIO
 TITLE: ENDOTOXIN ADSORBENT, ADSORBING AND REMOVING METHOD AND
 ADSORBING UNIT
 INVENTOR: **HIRAI FUMIYASU**; TANI NOBUTAKA; ASAHI KOJI
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 08173803	A	19960709	Heisei	(6) B01J020-26

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1994-323309 19941226
 ORIGINAL: JP06323309 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
 Applications, Vol. 96, No. 7

L8 ANSWER 22 OF 34 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1996-173802 JAPIO
 TITLE: TUMOR NECROSIS FACTOR-ALPHA ADSORBENT, ADSORBING AND
 REMOVING METHOD AND ADSORBER
 INVENTOR: **HIRAI FUMIYASU**; TANI NOBUTAKA; ASAHI KOJI
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 08173802	A	19960709	Heisei	(6) B01J020-26

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1994-323308 19941226
 ORIGINAL: JP06323308 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 96, No. 7

L8 ANSWER 23 OF 34 USPATFULL
 ACCESSION NUMBER: 93:44361 USPATFULL
 TITLE: Adsorbent for serum amyloid protein
 INVENTOR(S): **Hirai, Fumiyasu**, Amagasaki, Japan
 Tani, Nobutaka, Osaka, Japan
 PATENT ASSIGNEE(S): Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, Osaka, Japan
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5216127		19930601
APPLICATION INFO.:	US 1991-729234		19910712 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1988-272960, filed on 18 Nov 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1987-294810	19871120
	JP 1987-294811	19871120
	JP 1987-330617	19871225
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Rollins, John W.	
LEGAL REPRESENTATIVE:	Armstrong, Westerman, Hattori, McLeland & Naughton	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	1115	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L8 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 6
 ACCESSION NUMBER: 1991:20617 CAPLUS
 DOCUMENT NUMBER: 114:20617
 TITLE: Adsorbents for serum amyloid P protein removal from body fluids
 INVENTOR(S): **Hirai, Fumiyasu**; Tani, Nobutaka
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02149341	A2	19900607	JP 1988-300247	19881128
JP 06067472	B4	19940831		

L8 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 7
 ACCESSION NUMBER: 1990:145618 CAPLUS
 DOCUMENT NUMBER: 112:145618

TITLE: Adsorbent and apparatus for immunocomplex removal from body fluids
 INVENTOR(S): Funahashi, Takashi; **Hirai, Fumiyasu**; Tani, Nobutaka
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01181875	A2	19890719	JP 1988-6168	19880114
JP 06011333	B4	19940216		
JP 10328565	A2	19981215	JP 1998-90413	19880114
PRIORITY APPLN. INFO.:			JP 1988-6168	19880114

L8 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 8
 ACCESSION NUMBER: 1990:204762 CAPLUS
 DOCUMENT NUMBER: 112:204762
 TITLE: Adsorbents for amyloids of blood for treatment of amyloidosis
 INVENTOR(S): **Hirai, Fumiyasu**; Tani, Nobutaka
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01135533	A2	19890529	JP 1987-294811	19871120
JP 06020549	B4	19940323		
EP 321703	A1	19890628	EP 1988-119263	19881119
EP 321703	B1	19930428		
R: DE, FR, GB, IT, NL, SE				
EP 476721	A2	19920325	EP 1991-119895	19881119
EP 476721	A3	19920513		
EP 476721	B1	19950301		
R: DE, FR, GB, IT, NL, SE				
US 5216127	A	19930601	US 1991-729234	19910712
US 6037458	A	20000314	US 1992-948470	19920922
PRIORITY APPLN. INFO.:			JP 1987-294810	19871120
			JP 1987-294811	19871120
			JP 1987-330617	19871225
			US 1988-272960	19881118

L8 ANSWER 27 OF 34 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 9
 ACCESSION NUMBER: 1990:204761 CAPLUS
 DOCUMENT NUMBER: 112:204761
 TITLE: Adsorbents for blood serum amyloid proteins
 INVENTOR(S): **Hirai, Fumiyasu**; Tani, Nobutaka
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01135532	A2	19890529	JP 1987-294810	19871120
EP 321703	A1	19890628	EP 1988-119263	19881119
EP 321703	B1	19930428		
R: DE, FR, GB, IT, NL, SE				
EP 476721	A2	19920325	EP 1991-119895	19881119
EP 476721	A3	19920513		
EP 476721	B1	19950301		
R: DE, FR, GB, IT, NL, SE				
US 5216127	A	19930601	US 1991-729234	19910712
US 6037458	A	20000314	US 1992-948470	19920922
PRIORITY APPLN. INFO.:			JP 1987-294810	19871120
			JP 1987-294811	19871120
			JP 1987-330617	19871225
			US 1988-272960	19881118

L8 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1990:135599 CAPLUS
 DOCUMENT NUMBER: 112:135599
 TITLE: Adsorbents for serum amyloid protein, their preparation, and their use
 INVENTOR(S): Hirai, Fumiyasu; Tani, Nobutaka
 PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 321703	A1	19890628	EP 1988-119263	19881119
EP 321703	B1	19930428		
R: DE, FR, GB, IT, NL, SE				
JP 01135532	A2	19890529	JP 1987-294810	19871120
JP 01135533	A2	19890529	JP 1987-294811	19871120
JP 06020549	B4	19940323		
JP 01171638	A2	19890706	JP 1987-330617	19871225
JP 05018625	B4	19930312		
PRIORITY APPLN. INFO.:			JP 1987-294810	19871120
			JP 1987-294811	19871120
			JP 1987-330617	19871225

L8 ANSWER 29 OF 34 JAPIO COPYRIGHT 2002 JPO
 ACCESSION NUMBER: 1989-171638 JAPIO
 TITLE: ADSORBENT FOR SERUM AMYLOID A PROTEIN
 INVENTOR: HIRAI FUMIYASU; TANI NOBUTAKA
 PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD, JP (CO 000094)
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 01171638	A	19890706	Heisei	(4) B01J020-22

JP
 APPLICATION INFORMATION
 ST19N FORMAT: JP1987-330617 19871225
 ORIGINAL: JP62330617 Heisei
 SOURCE: PATENT ABSTRACTS OF JAPAN, Unexamined Applications, Section: C, Sect. No. 642, Vol. 13, No. 447, P. 67 (19891006)

L8 ANSWER 30 OF 34 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 2001-219062 JAPIO
TITLE: PEPTIDOGLYCAN ADSORBING MATERIAL, AND METHOD AND
DEVICE FOR ADSORBING/REMOVING PEPTIDOGLYCAN
INVENTOR: **HIRAI FUMIYASU**; FURUYOSHI SHIGEO
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001219062A		20010814	Heisei	B01J020-24

JP
APPLICATION INFORMATION
ST19N FORMAT: JP2000-338945 20001107
ORIGINAL: JP2000338945 Heisei
PRIORITY APPLN. INFO.: JP1999 343164 19991202
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 2001

L8 ANSWER 31 OF 34 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 2001-286554 JAPIO
TITLE: ADSORBER FOR DILATED CARDIOMYOPATHY
INVENTOR: OGINO EIJI; FURUYOSHI SHIGEO; **HIRAI FUMIYASU**
; NISHIMOTO TAKEHIRO
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001286554A		20011016	Heisei	A61M001-36

JP
APPLICATION INFORMATION
ST19N FORMAT: JP2000-106915 20000407
ORIGINAL: JP2000106915 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 2001

L8 ANSWER 32 OF 34 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 2001-218840 JAPIO
TITLE: ADSORBENT FOR TRANSFORMING GROWTH FACTOR. BETA,
ADSORBING/REMOVING METHOD, AND ADSORBER
INVENTOR: **HIRAI FUMIYASU**; FUJIMOTO TAMIJI; FURUYOSHI
SHIGEO
PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)
PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2001218840A		20010814	Heisei	A61M001-36

JP
APPLICATION INFORMATION
ST19N FORMAT: JP2000-035168 20000214
ORIGINAL: JP2000035168 Heisei
SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 2001

L8 ANSWER 33 OF 34 JAPIO COPYRIGHT 2002 JPO
ACCESSION NUMBER: 2000-288388 JAPIO
TITLE: ADSORBENT FOR TUMOR NECROSIS FACTOR-ALPHA, METHOD FOR
ADSORPTION/REMOVAL, AND ADSORPTION DEVICE
INVENTOR: **HIRAI FUMIYASU**; FURUYOSHI SHIGEO; TANI

PATENT ASSIGNEE(S): NOBUTAKA
PATENT INFORMATION: KANEGAFUCHI CHEM IND CO LTD)

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2000288388A		20001017	Heisei	B01J020-26

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1999-093580 19990331

ORIGINAL: JP11093580 Heisei

SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 2000

L8 ANSWER 34 OF 34 JAPIO COPYRIGHT 2002 JPO

ACCESSION NUMBER: 2000-271214 JAPIO

TITLE: METHOD FOR REDUCING BIOACTIVITY OF ENDOTOXIN

INVENTOR: FUJIMOTO TAMIJI; **HIRAI FUMIYASU**; NAKATANI
MASARU; FURUYOSHI SHIGEO; TANI NOBUTAKA

PATENT ASSIGNEE(S): KANEGAFUCHI CHEM IND CO LTD)

PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2000271214A		20001003	Heisei	A61M001-36

JP

APPLICATION INFORMATION

ST19N FORMAT: JP1999-077711 19990323

ORIGINAL: JP11077711 Heisei

SOURCE: PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined
Applications, Vol. 2000

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